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AUSTRALIAN NATIONAL AMATEUR RADIO TELEPRINTER SOCIETY BROADCAST 992
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GOOD MORNING, IT IS SUNDAY THE 25TH JANUARY 1998 AND HERE IS OUR CAST 992.
IF YOU WOULD LIKE TO RECEIVE A LIVE COPY OF THIS BROADCAST,  YOU CAN DO SO
BY TUNING IN EACH SUNDAY,  ON RTTY MODE,  ON THE FOLLOWING FREQUENCIES AND
TIMES.   PLEASE NOTE THAT AN FEC MODE IS TRANSMITTED ON 14070 AT 0030 UTC.

  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC     VK2DPM (ALAN)
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY

        INTERNET         RADIO-INFO-DIST AT UCSD.EDU

Views  expressed  in  this news bulletin are  not  necessarily
those of the  Broadcast Officer, the Relay Officers, or of the
Society.

A.N.A.R.T.S. News Bulletin 992  25TH JANUARY 1998

COLS COLUMN
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EARLY ELECTRICAL COMMUNICATIONS. DAVEYS TELEGRAPH.

EDWARD DAVY BUILT A TELEGRAPH IN 1836 THAT WAS SIMILAR TO THAT
OF  ALEXANDER,   PREVIOSLY  DESCRIBED.  IT  WAS  HOWEVER  MORE
DEVELOPED  AND MIGHT HAVE BEEN A SUCCESSFUL RIVAL TO COOKE AND
WHEATSTONE'S  TELEGRAPH.  IT WAS DESCRIBED IN  THE  'MECHANICS
MAGAZINE'.  THE TRANSMIT END OF THE SYSTEM HAD A KEYBOARD WITH
EIGHT  KEYS,  EACH  OF WHICH BY DIFFERENT  MOVEMENTS  PRODUCED
THREE CHARACTERS, PROVIDING 24 IN ALL.

AT THE RECEIVING  END WAS A WOODEN CABINET WITH A GLASS FRONT.
THE 24 LETTERS WERE CUT  OUT OF WHITE PAPER AND LIT BY A LAMP.
EACH  CHARACTER WAS ONLY VISIBLE WHEN A SMALL SCREEN IN  FRONT
OF IT WAS REMOVED BY THE DEFLECTION OF A NEEDLE, MUCH THE SAME
AS IN ALEXANDERS TELEGRAPH.

THE ARTICLE IN THE MAGAZINE STATES,   'THE RECEIVE OPERATOR IS
FACED  BY AN APERTURE SIXTEEN INCHES LONG,  AND THREE OR  FOUR
INCHES  WIDES,  FACING THE EYES,  PERFECTLY DARK.  ON THIS THE
SIGNALS  APPEARS  AS LUMINOUS LETTERS,  WITH  A  NEATNESS  AND
RAPIDITY ALMOST MAGICAL'.

DAVY  WAS ALSO WORKING ON A CHEMICAL RECORDER FOR THE  RECEIVE
END. A RECEIVED SIGNAL WOULD CAUSE A STYLUS TO DIP AND TOUCH A
STRIP OF PREPARED PAPER,  THE MARKS MADE SHOWING THE SIGNAL BY
ELECTRLYTIC ACTION.

THATS ALL FOR NOW,  BUT WE CONTINUE NEXT WEEK WITH THE 'RELAY'
AND DAVY'S PART IN IT.

73'S DE COL VK2CTD.

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           IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT
                  (16 JANUARY - 22 JANUARY)
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ISSUED ON 23 JANUARY 1998

SUMMARY

| Date | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---|---|---|---|---|---|---|---|
| 10cm | 98 | 96 | 95 | 94 | 91 | 91 | 93 |
| A | 5 | 4 | 8 | 4 | 8 | 6 | (2 expected) |
| T | 40 | 32 | 0 | 44 | 43 | 12 | 34 |

Solar activity was very low all week.

The geomagnetic field at Learmonth W.A. was quiet to unsettled 16th to 19th, and 22nd January; and unsettled to active on 20th to 21st. There was an active period on 18th from 1200 to 1500 UT.

Maximum usable frequencies were near predicted monthly values on 16th, from 0700 UT 20th, and 22nd; mostly depressed to 15 per cent on 17th and 21st. Due to computer problems there was no data available on 18th, 19th, and to 0700 on 20th.

FORECAST (23 JANUARY - 29 JANUARY)

Solar: low to moderate

Geomagnetic: Active periods possible on 23 Jan. Active conditions with chance of minor storm expected for 24 January, due to a Coronal Mass Ejection reported on 21 January. Quiet to unsettled on other days.

Frequencies: Slightly degraded HF conditions expected morning of 23 Jan. Depressed and degraded Hf conditions expected on 24-25 Jan in association with anticipated geomagnetic activity. Near predicted monthly values on other days.

COURTESY IPS RADIO AND SPACE SERVICES

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VK2SG RTTY DX NOTES FOR WEEK ENDING 16 JAN 98 (BID RTDX0116)

Our information this week came from: AA5AU, DJ3IW and the Central-Europe DX Cluster node DB0SPC, I5FLN and the IK5PWJ Packet Cluster, KB8NW AND THE OPDX Bulletin, TU5EX, UT1HT, W2JGR and the NJ0M node the Twin-Cities DX Packet Cluster, W5KSI, and WX5L. Thank you all for your assistance.

Bandpass
Friday 9
1023-14085 A41KB
1043-14082 FK8VHN
1130-14079 XW30A
1212-14080 EX2M
1220-14082 4Z5CP
1327-14081 4Z4DX
1341-14083 4Z5AV
1404-14084 RX3AMU
1408-14082 S58AA
1428-14088 OY4TN
2045-14087 9Q5PA

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Saturday 10
0845-21083  XW30A
0048-14084  A35RK
0933-21086  CN8NK
1131-14083  9N1ARB
1525-14083  4Z4DX
1602-14090  OD5PN
1605-21085  ZP5MGR
1716-14084  9Q5PA
1918-14085  ZP6CC
1926-14085  9Q5PA
2020-14092  CT3BX
2225-14085  9Q5PA
2306-14081  FM5CD
2326-21087  A35RK

Sunday 11
0040-14084  XE1J
0156-14087  CX8DX
0348-14082  XW30A
0815-14087  VK3AMK
0914-21086  HS2CRU
0938-21086  HS2CRU
0956-21083  FK8VHN
1004-14083  LX8DL
1014-21085  HS2CRU
1041-14086  HS2CRU
1116-14085  FM5CD
1144-14084  XW30A
1227-14083  PJ2MI
1237-14083  FM5CD
1241-14083  RZ9WZ
1245-14086  TO5FFL
1247-14085  FK8FI
1249-14081  EA6BH
1300-14089  OY4TN
1302-14094  4X50FB
1302-14087  OM2WW
1317-14084  4X50FB
1330-14082  ES7FQ
1539-14083  4X50FB/SK
1609-21084  GM4SUC
1930-14084  ZP5MGR
1947-14089  ZS1CI
2058-14086  EA8ACM
2135-14081  CT98EGW

Monday 12
0901-21083  XW30A
0213-14079  UA0SMF
0246-14083  9N1ARB
0256-14083  ZL1CAX
1025-21085  YB4JIM
1503-14086  4X50FB/SK
1514-21083  LU6FJZ
1636-14089  5N7ZYC

Tuesday 13
0129-14083  JD1AMA
0200-14081  ZP5MGR
0206-14082  XW30A
0751-14084  VU2RAK
1114-14088  YV5AAX
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1305-14082  4X50FB

Wednesday 14
0020-14082  XW30A
0103-14081  ZP6CC
0721-14083  FK8VHN
0821-14082  JD1AMA

Thursday 15
1330-14082  XW30A
1344-14086  OK2BDB

NOTES OF INTEREST:

SPRATLY ISLAND,  9M0C.  The main team plans to arrive on Pulau Layang Layang on Tuesday,  10 February.  Two days earlier than originally planned.  This gives them three full days to set up the very extensive antenna farm and five stations.  The second group  will arrive on Friday.  Then will be fully  operational for at least nine full days including  two complete week-ends.

COMOROS, D6. Martin, HB9CYN, and Chris, HB9CYV, will be active as D68YN and D68YV,  from 25 January to 6 February.  All bands 80-10 meters (maybe 160m). Operations mainly CW with some SSB, and maybe RTTY.

OPEN UKRAINE RTTY CHAMPIONSHIP'98  22-00 GMT  28 Feb. 98-01-59 GMT 01 Mar.98. Only 4 hours. 2 Band's: 1,838-1,848 MHz; 3,580-3,620  MHz.  Mode:RTTY.  Call:  CQ UKR.  It is  authorized  to conduct  repeated  QSO  in  30  minutes  on  each  band  is independent.  Exchange:  Two  letters,  the  abbreviation  of region (state, canton, province, land, uyzd, district, county, lan, etc.) + serial number starting from 001.  example:
Poltava region (Ukraine) - PO001; Ancona (Italy) - AN021;
Alsace (France) - AL035; Gotlands lan (Sweden) -GO123.
Scoring:  2 points for each contact (including repeated QSO in 30  minutes)  + 10 points for new  region  (province,  canton, district, etc.) on  each bands.  Final  scoring: Sum  total on 3,5MHz + sum total on 1,8Mhz.  Classes:  A - single  operator, two bands; B -single  operator, 1,8 MHz;  C - single operator, 3,5 MHz; D - multi operators, one transmitter.  Awards: Diplom 'CHAMPION OF UKRAINE RTTY 98' first place for classes A and D; Awards 'UKRAINE'  top ten  station for all classes.  Logs: All operators in any  Class must send  separate logs for each band worked,  as well as  dupe-sheet if  needed and  summary-sheet. Comments,  anecdotes and  suggestions will be welcomed.  Note: We shall  make the control  each  of  LOG's with  use  special software and computer therefore it is desirable LOG to execute on an adduced  breadboard model.  This form LOG  is convenient for direct input of  the information in the computer.  Format - ASCII (is desirable). Prepared LOG it is  desirable to grant as a file through PACKET RADIO or E-mail,  for fast processing and definition of  results this CONTEST.  For example: CONTEST LOG  3,5 MHZ  SM4ZZZ Gotlands lan (GO)
SM4ZZZ  2200  UX0FF    GO001   OD003
SM4ZZZ  2203  DL1AAA   GO002   ZZ010
SM4ZZZ  2205  RZ9CWA   GO003   SV030  etc.
Address for LOGs: GEORGE IGNATOV,(UT1HT), P.O.Box 87,
KREMENCHUG-21, UKRAINE, 315321.
AX-25:     UT0HZM@RK9CWW.SVR.RUS.EU
E-mail:    krs at fobos.poltava.ua

The  VK2SG  RTTY  DX  NOTES are distributed  via  the  WinLink

network, and are also available on the Internet at reflector digital-dx at st.rim.or.jp and the OH2BUA WebCluster at URL http://www.clinet.fi/(tilde)jukka/rtty.html

For next week's bulletin, send your bandpass and notes of interest to Jules, W2JGR at W5KSI.(hash)NOLA.LA.USA.NA or by e-mail to w2jgr at millcomm.com

REMEMBER, DX DON'T SLEEP. GL DE BOB WB2CJL at W5KSI.(hash)NOLA.LA.USA.NA or e-mail: wb2cjl at juno.com

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ARLD002 DX news
This week's bulletin was made possible with information provided by Tedd, KB8NW, the OPDX Bulletin, G4BUE, The 599Rpt, QRZ DX, Jari, OH2BVE, Harv, K2PI and Contest Corral from QST. Thanks to all.

SWAZILAND, 3DA. Jon, 3DA0CA, is active on 1827 Khz from 0300 to 0330z most days. QSL via W4DR.

MALDIVES, 8Q. Members of the Central Arizona DX Association will be QRV beginning January 18 as 8Q7AA. They expect to be here until January 28. Activity on 160 to 10 meters, using CW, SSB and RTTY, is planned. QSL via N7TX.

KUWAIT, 9K. Bob, N6BFM, expects to be active as 9K2ZZ for about 1 year. He is presently active on 40 meters. QSL via W8CNL.

CROZET ISLAND, FT/W. Jean Paul, F5BU, is expected to arrive on Crozet Island, IOTA AF-008, on January 21. He will be active using mostly SSB as FT5WG until March 18. QSL via F6APU.

JORDAN, JY. George, JY9QJ, has been QRV on 160 meters just before 2000z. QSL via DL5MBY.

GUATEMALA, TG. A group of Finnish amateurs hope to activate TG0OH from January 18 to February 5. Activity on 160 to 10 meters, including the newer bands, using CW, SSB and RTTY, is planned. QSL CW and SSB contacts via OH3JF. QSL RTTY contacts via OH6XY.

BURKINA FASO, XT. Mike, F5RLE, will be active as XT2DM on all bands using mostly CW from January 22 to March 9. QSL to home call.

CHATHAM ISLANDS, ZL7. Ed, K8VIR, is QRV as K8VIR/ZL7 until April. He will be active on the usual frequencies. QSL to home call.

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The Ohio/Penn Dx PacketCluster
DX Bulletin No. 340

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, WB2RAJ/WB2YQH and The 59(9) DXReport, W5FKX, K7BV, K7WX, K9NW, N0TG, 9K2HN, F6AJA and LNDX, FR5DX, G4BUE and DX News Sheet, G4BWP, G4ZVJ, JA1ELY, LX1NO, OA4QV, PT2NP, UA2FZ, VE2EH,

VE3BW, VK3RX and ZS6RVG for the following DX information.

4X50, ISRAEL. Look for this special 4X50 prefix with a /SK suffix to be used until May 1st to celebrate Israel's 50th anniversary.

9G5, Ghana. Andy, G4ZVJ, will be active from here February 5th through March 1st, as 9G5VJ. Activity will be on all HF bands, mostly CW, including the ARRL DX CW Contest and possibly the WPX RTTY Contest.

CO2, CUBA. Look for Winston, CO2WF, on 40 meters (7050-7060 kHz) between 0200 and 0300z (SSB mode). He is also very active on 14151 or 21215 kHz between 1900 and 2100z. Also, he can sometimes be found on 12 and 17 meters, CW. QSL via VE2EH.

GB50, ENGLAND (Special Event/Prefix). During the month of June, the station GB50MKI will be active to celebrate the 50 years since the Mark 1 computer was programmed. It was designed in the Engineering Department of Manchester University. The station's HF operations is expected to be active on ALL band, although emphasis will be placed on data modes. Other modes will also be activated. Brief information may be obtained via the Web site: http://www.mcc.ac.uk/Radio/

XT, BURKINA FASO. 'The 59(9) DXReport' states Mike, F5RLE, will be active on all bands, mostly CW January 22-March 9 as XT2DM.

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Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VK2WI, or the Secretary (Pat) VK2JPA at VK2WI.

Email address for the Broadcast Officer is :
patl(at)conmusic.usyd.edu.au or patl(at)mail.usyd.edu.au

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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99